

ABSTRACT OF THE DISCLOSURE

A system is described for generating a rectified mosaic image from a plurality of individual images, the system comprising a quadrangular region defining module, a warping module and a mosaicing module. The quadrangular region defining module is configured to define in one individual image a quadrangular region in relation to two points on a vertical anchor in the one individual image and mappings of two points on a vertical anchor in at least one other individual image into the one individual image. The warping module is configured to warp the quadrangular region to a rectangular region. The mosaicing module configured to mosaic the quadrangular region to the mosaic image. The system further generates a mosaic from a plurality of panoramic images, the system comprising a motion determining module, a normalizing module, a strip selection module, and a mosaicing module. The motion determining module is configured to determine image motion between two panoramic images. The normalizing module is configured to normalize respective columns in the panoramic images in relation to the ratio of the image motion thereof to the image motion of a selected column, thereby to generate normalized panoramic images. The strip selection module is configured to select strips of the normalized panoramic images. The mosaicing module is configured to mosaic the selected strips together.